

# REACTION Workshop 2011.04.14

## Overview

Lisbon, PT and Austin, TX

Mário J. Silva

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# Agenda

- 14:30 Welcome +  
Quick progress report and status summary (10 min)
- 14:40 Task leaders summarize ongoing activities
- 15:45 Break.
- 16:30 Technical Presentations / Demos
  - Crawling, Curating, and Pre-processing Tweets (Luis Sarmento)
  - Update: Mining Biographic Information from News (Luis Sarmento)
  - NER and Grounding in News Articles (David Batista)
- 17:30 Plans for Milestone1 ("REACTION Specification") + UTA-Portugal Annual Meeting + TREC2011 + Issues
- 17:45 Directions for next meeting/Next workshop
- 18:00 Meeting ends.

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# The Problem...

- **Computational journalism**, aka *database journalism*
  - Intensive use of software tools for news research, production and presentation
- What is the **impact in the routines of newsrooms?**
- What **effect** will these tools have on the **quality of news** and the **productivity of journalists?**

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# Challenges

1. Automatic **content analysis**  
(documents, news, blogs, micro-blogs, comments)
2. Automatic analysis of  
**explicit and implicit social networks**
3. Design of  
**rich visualization and interaction interfaces**
4. **Case-study** evaluation of developed  
**computational journalism** methodology in a  
**production setting.**  
Critical analysis of practical impact on newsroom  
quality, efficiency, and economics.

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# Partnership

- **LASIGE, FCUL**  
(Mário J. Silva, Paula Carvalho, Francisco Couto)
- **LIACC, FEUP**  
(Eugénio de Oliveira, Eduarda M. Rodrigues, Luís Sarmento)
- **CIMJ, FCH/UNL** (António Granado)
- **Austin: School of Information and Computer Science at Austin**  
(Luis Francisco-Revilla, Matthew Lease)
- **PT Comunicações, SAPO**  
(Benjamim Júnior, Celso Martinho, Luís Sarmento)
- **Público** (Sérgio B. Gomes)

# Students

- UL:
  - David Batista, Silvio Moreira, João Ramalho
- UP:
  - Matko Bosnjak
  - Gustavo Laboreiro
  - Jorge Teixeira (SAPO)
- UT:
  - Hohyon Ryu, Steven Fazzio
- UNL:
  - TBH 2012

# Research tasks

1. Information Mining
2. Information Discovery
3. Web Community Sensing
4. Tracking Information Flow
5. Interaction and Personalization
6. Query and Visualization
7. Computational Newsroom

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# More details

- Started October 1st, 3 years
- <http://xldb.fc.ul.pt/wiki/Reaction>
- 1<sup>st</sup> milestone: End of Month 6
  - REACTION Specification
- 2<sup>nd</sup> milestone: End of Month 12
  - First toolset prototype  
(should to demo it at next *Collaboratory*)

UT Austin | Portugal

INTERNATIONAL COLLABORATORY FOR EMERGING TECHNOLOGIES, CoLab

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